

TRANSMITTAL FORM FOR FILING PATENT APPLICATION

Attorney Docket No.: BDL-441XX

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Date: December 12, 2003

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

First Named Inventor or Application

Identifier: Denis Vion

Sir:

Transmitted herewith under 37 CFR § 1.53 for filing is the patent application of:

Inventors: Denis Vion; Daniel Esteve; Philippe Joyez; Hugues Pothier;  
Pierre-François Orfila; Cristian Urbina; Eddy Collin; Grégoire Ithier

Entitled: DEVICE FOR RE-INITIALIZING A QUANTUM BIT DEVICE HAVING TWO ENERGY STATES

[ ] This is a request for filing a [ ] **continuation** [ ] **divisional**  
[ ] **continuation in-part** application under \$1.53(b) of prior Application  
No. \_\_\_\_\_, filed \_\_\_\_\_, entitled:

Enclosed are:

[X] 36 pages of written description, claims and Abstract, inclusive IN FRENCH[X] 5 sheets of [ ] informal [X] formal drawings of Figs. 1-7 (one set)

[X] Oath or Declaration

[X] Newly executed (original or copy)

[ ] Copy from prior application (37 CFR 1.63(d)) (for  
continuation/divisional). The entire disclosure of the prior  
application, from which a copy of the oath or declaration is supplied,  
is considered as being part of the disclosure of the accompanying  
application and is hereby incorporated by reference therein.

[ ] To be filed later

[X] Cover sheet and Assignment of the invention to: Commissariat a l'Energie  
Atomique, including a check in the amount of \$40.00 for recordation fee.

[ ] Certified copy of a \_\_\_\_\_ application (if foreign  
priority is claimed) with letter claiming priority under Rule 55.

[ ] Information Disclosure Statement with \_\_\_\_\_ citations enclosed.

[ ] Preliminary amendment is enclosed.

[X] Return receipt postcard

[ ] Small entity status is entitled to be, and hereby is, asserted for this  
application.

15992 U.S. PTO  
121203

22154 U.S. PTO  
10/735604  
121203

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**TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)**

- ☐ Other:
- ☐ Priority is claimed under 35 USC § 120 as indicated on the attached sheet 4.
- ☒ Priority is claimed under 35 USC §119(a)-(d) as indicated on the attached sheet 4.
- ☐ Priority is claimed under 35 USC §119 (e) as indicated on the attached sheet 4.
- ☐ \_\_\_\_\_ is hereby appointed Associate Attorney by:  
Registration No.:
- \_\_\_\_\_  
Attorney of Record:  
Registration No.:
- ☐ Power of Attorney in the originally-filed application has been granted to one or more of the registered attorneys listed below. The attorneys listed below not previously granted power in the originally-filed application, as well as \_\_\_\_\_, are hereby given associate power:  
Registration No.:
- Stanley M. Schurgin, Reg. No. 20,979  
Charles L. Gagnebin III, Reg. No. 25,467  
Victor B. Lebovici, Reg. No. 30,864  
Beverly E. Hjorth, Reg. No. 32,033
- Holliday C. Heine, Reg. No. 34,346  
Gordon R. Moriarty, Reg. No. 38,973  
James F. Thompson, Reg. No. 36,699
- ☐ Cancel in this application original claims \_\_\_\_\_ of the prior application before calculating the filing fee.
- ☐ Add in this application claims \_\_\_\_\_ per amendment before calculating fee.

CLAIMS FILED:	MINUS BASE:	EXTRA CLAIMS:	RATE:	BASIC FEE:
				\$770.00
Independent	- 3	=	x \$86.00 =	
Total	- 20	=	x \$18.00 =	
<input type="checkbox"/> Multiple Dependent Claims (1st presentation)			+ \$290.00 =	
SUBTOTAL FILING FEE				
Small Entity filing, divide by 2. (Small Entity status must be asserted.)				
TOTAL FILING FEE				

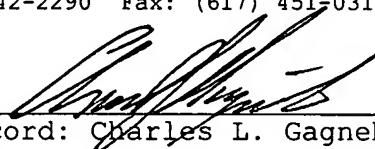
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**TRANSMITTAL FOR FILING PATENT APPLICATION (CONTINUED)**

- [ ] The filing fee has been calculated above; a check in the amount of \$\_\_\_\_\_ is enclosed.
- [X] The filing fee will be submitted at a later date.
- [X] In the event a Petition for Extension of Time under 37 CFR \$1.17 is required by this paper and not otherwise provided, such Petition is hereby made and authorization is provided herewith to charge Deposit Account No. 23-0804 for the cost of such extension.
- [ ] The Commissioner is hereby authorized to charge payment of any additional filing fees under 37 CFR \$1.16 associated with this communication or credit any overpayment to Deposit Account No. 23-0804.

[X] **Customer Number 207**

which is associated with the Law Firm of:  
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Boston, Massachusetts 02109  
United States  
Telephone: (617) 542-2290 Fax: (617) 451-0313

  
\_\_\_\_\_  
Attorney of Record: Charles L. Gagnebin III  
Registration No. 25,467

Attorney Docket No.: BDL-441XX

**TRANSMITTAL FOR FILING PATENT APPLICATION (CONTINUED)**

[ ] Priority is claimed under 35 USC § 120 of prior Application(s)  
No. \_\_\_\_\_ filed \_\_\_\_\_, entitled:

[ ] The above-identified application(s) is/are assigned of record to:

[X] Priority is claimed under 35 USC § 119 (a)-(d) of the following  
application(s).

<u>03 13148</u> (Application Number)	<u>France</u> (Country)	<u>07 November 2003</u> (Filing Date)
<u>                    </u> (Application Number)	<u>                    </u> (Country)	<u>                    </u> (Filing Date)
<u>                    </u> (Application Number)	<u>                    </u> (Country)	<u>                    </u> (Filing Date)

[ ] The above-identified application(s) is/are assigned of record to:

[ ] Priority is claimed under 35 USC § 119 (e) of the following provisional  
application(s).

<u>                    </u> (Application Number)	<u>                    </u> (Filing Date)
<u>                    </u> (Application Number)	<u>                    </u> (Filing Date)
<u>                    </u> (Application Number)	<u>                    </u> (Filing Date)

[ ] The above-identified provisional application(s) is/are assigned  
of record to:

**SUBMIT IN TRIPLICATE**

CLG/mc/299387-1